CLAIMS

What we claim is:

1. A polyurethane film comprising a silver-based inorganic antimicrobial compound in discrete areas of said film wherein at least some of said antimicrobial compound is present at the surface of said film and, optionally, at least some of said antimicrobial is present within the interior of said film.

2. The polyurethane film of Claim 1 wherein said antimicrobial is present within the interior of said film.

3. The polyurethane film of Claim 2 wherein said antimicrobial compound is selected from the group consisting of elemental silver, silver-based ion exchange compounds, silver-based zeolites, silver-based glasses, and any mixtures thereof.

4. The polyurethane film of Claim 3 wherein said antimicrobial compound is selected from the group consisting of at least one silver-based ion-exchange compound.

5. The polyurethane film of Claim 4 wherein said formulation does not include any added organic bactericide compound.

6. The polyurethane film of Claim 4 wherein said antimicrobial compound is at least one silver-based antimicrobial zirconium phosphate compound.

7. The polyurethane film of Claim 1 wherein said film exhibits a cohesive property with either itself or a different film of the same type as measured by a sliding block pull tension of below about 150 grams as measured by a sliding block friction procedure.

8. The polyurethane film of Claim 7 wherein said film exhibits a cohesive property with either itself or a different film of the same type as measured by a sliding block pull tension of below about 100 grams as measured by a sliding block friction procedure.

9. The polyurethane film of Claim 8 wherein said film exhibits a cohesive property with either itself or a different film of the same type as measured by a sliding block pull tension of below about 90 grams as measured by a sliding block friction procedure.

10. The polyurethane film of Claim 9 wherein said film exhibits a cohesive property with either itself or a different film of the same type as measured by a sliding block pull tension of below about 75 grams as measured by a sliding block friction procedure.

11. The polyurethane film of Claim 10 wherein said film exhibits a cohesive property with either itself or a different film of the same type as measured by a sliding block pull tension of below about 65 grams as measured by a sliding block friction procedure.

12. The polyurethane film of Claim 2 wherein said film exhibits a cohesive property with either itself or a different film of the same type as measured by a sliding block pull

tension of below about 150 grams as measured by a sliding block friction procedure.

13. The polyurethane film of Claim 12 wherein said film exhibits a cohesive property with either itself or a different film of the same type as measured by a sliding block pull tension of below about 100 grams as measured by a sliding block friction procedure.

14. The polyurethane film of Claim 13 wherein said film exhibits a cohesive property with either itself or a different film of the same type as measured by a sliding block pull tension of below about 90 grams as measured by a sliding block friction procedure.

15. The polyurethane film of Claim 14 wherein said film exhibits a cohesive property with either itself or a different film of the same type as measured by a sliding block pull tension of below about 75 grams as measured by a sliding block friction procedure.

16. The polyurethane film of Claim 15 wherein said film exhibits a cohesive property with either itself or a different film of the same type as measured by a sliding block pull tension of below about 65 grams as measured by a sliding block friction procedure.